

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-023625

(43)Date of publication of application : 23.01.2002

(51)Int.Cl.

G09C 1/00

(21)Application number : 2000-215883

(71)Applicant : HITACHI LTD

(22)Date of filing : 12.07.2000

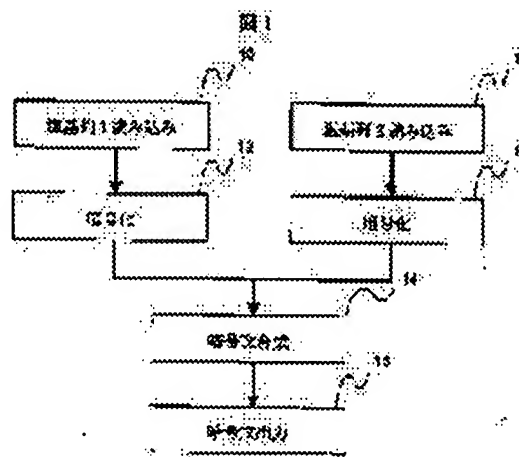
(72)Inventor : SAKATA MEIJI

(54) METHOD FOR COMPOSITE CIPHERING

(57)Abstract:

PROBLEM TO BE SOLVED: To solve the problem that a cryptograph used for maintaining secrecy of data has only depended on cryptographic strength.

SOLUTION: The data are not simply ciphered but they are ciphered and synthesized.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

DERWENT-ACC-NO: 2002-177699

DERWENT-WEEK: 200223

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TITLE: Composing encryption method involves separating and decoding second and first encryption rows to form encryption sentence which is then combined such that synthesized encryption sentence is formed

PATENT-ASSIGNEE: HITACHI LTD[HITA]

PRIORITY-DATA: 2000JP-0215883 (July 12, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2002023625 A	January 23, 2002	N/A	005	G09C 001/00

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP2002023625A	N/A	2000JP-0215883	July 12, 2000

INT-CL (IPC): G09C001/00

ABSTRACTED-PUB-NO: JP2002023625A

BASIC-ABSTRACT:

NOVELTY - A second encryption row, which enciphered a second symbol string, is inserted to a first encryption row which enciphered a first symbol string. The second and first encryption rows are then separated and decoded to form encryption sentence. The encryption sentence (12) is then combined to the other encryption sentence (13), such that a synthesized encryption sentence (14) is formed.

USE - For protecting private information e.g. base row, amino acid.

ADVANTAGE - Provides synthesized encryption sentence after enciphering encryption of data, hence allows effective data security.

DESCRIPTION OF DRAWING(S) - The figure shows the flow chart of the composing encryption method. (Drawing includes non-English language text).

Encryption sentence 12

Encryption sentence 13

Synthesized encryption sentence 14

CHOSEN-DRAWING: Dwg.1/5

TITLE-TERMS: COMPOSE ENCRYPTION METHOD SEPARATE DECODE SECOND
FIRST ENCRYPTION

ROW FORM ENCRYPTION SENTENCE COMBINATION ENCRYPTION
SENTENCE
FORMING

DERWENT-CLASS: P85

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N2002-135281